

§ 76.50-1

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through 76.35-15 insofar as is reasonable and practicable.

(b) [Reserved]

Subpart 76.50—Hand Portable Fire Extinguishers and Semi-portable Fire Extinguishing Systems, Arrangements and Details

§ 76.50-1 Application.

(a) The provisions of this subpart, with the exception of § 76.50-90, shall apply to all vessels contracted for on or after November 19, 1952. Vessels contracted for prior to November 19, 1952, shall meet the requirements of § 76.50-90.

(b) [Reserved]

§ 76.50-5 Classification.

(a) Hand portable fire extinguishers and semiportable fire extinguishing systems shall be classified by a combination letter and number symbol, the letter indicating the type of fire which the unit could be expected to extinguish, and the number indicating the relative size of the unit.

(b) The types of fire will be designated as follows:

(1) "A" for fires in ordinary combustible materials where the quenching and cooling effects of quantities of water, or solutions containing large percentages of water, are of first importance.

(2) "B" for fires in flammable liquids, greases, etc., where a blanketing effect is essential.

(3) "C" for fires in electrical equipment where the use of nonconducting extinguishing agent is of first importance.

(c) The number designations for size will start with "I" for the smallest to "V" for the largest. Sizes I and II are

considered hand portable fire extinguishers and sizes III, IV and V are considered semiportable fire extinguishing systems which shall be fitted with suitable hose and nozzle or other practicable means so that all portions of the space concerned may be covered. Examples of size graduations for some of the typical hand portable and semiportable fire extinguishing systems are set forth in table 76.50-5(c).

TABLE 76.50-5(c)

Classification		Soda acid and water, gallons	Foam, gallons	Carbon dioxide, pounds	Dry chemical, pounds
Type	Size				
A	II	2½	2½	.....	.....
B	I .....	.....	1¼	4	.....
B	II .....	.....	2½	15	10
B	III .....	.....	12	35	20
B	IV .....	.....	20	50	30
B	V .....	.....	40	100	50
C	I .....	.....	.....	4	2
C	II .....	.....	.....	15	10

(d) All hand portable fire extinguishers and semiportable fire extinguishing systems shall have permanently attached thereto a metallic name plate giving the name of the item, the rated capacity in gallons, quarts, or pounds, the name and address of the person or firm for whom approved, and the identifying mark of the actual manufacturer.

(e) Vaporizing-liquid type fire extinguishers, containing carbon tetrachloride or chlorobromomethane or other toxic vaporizing liquids shall be removed from all vessels.

§ 76.50-10 Location.

(a) Approved hand portable fire extinguishers and semiportable fire extinguishing systems shall be installed in accordance with table 76.50-10(a).

TABLE 76.50-10(A)

Hand portable fire extinguisher and semiportable fire extinguishing systems		
Space	Classification (see § 76.50-5)	Quantity and location
<i>Safety area</i> ¹		
Wheelhouse or fire control room	A-II, B-II, C-II.	1 of each classification on vessels over 1,000 gross tons. (Not required in both spaces.) (Multiple classification may be recognized.)
Stairway and elevator enclosures .....	.....	None required.

TABLE 76.50-10(A)—Continued

Space	Hand portable fire extinguisher and semiportable fire extinguishing systems	
	Classification (see § 76.50-5)	Quantity and location
Communicating corridors	A-II	1 in each main corridor in each main vertical zone. (May be located in stairway enclosures.)
Lifeboat embarkation and lowering stations .....	.....	None required.
Radio room	C-I ³	2 in vicinity of exit. ²
<i>Accommodations¹</i>		
Staterooms, toilet spaces, isolated pantries, etc. ....	.....	None required.
Offices, lockers, and isolated storerooms .....	.....	Do.
Public spaces	A-II	1 for each 2,500 square feet or fraction thereof located in vicinity of exits, except that none required for spaces under 500 square feet.
Open decks or enclosed promenades .....	.....	None required.
<i>Service spaces</i>		
Galleys	B-II or C-II	1 for each 2,500 square feet or fraction thereof suitable for hazards involved.
Main pantries	A-II	1 for each 2,500 square feet or fraction thereof located in vicinity of exits.
Motion picture booths and film lockers	C-I ³	1 outside in vicinity of exit.
Paint and lamp rooms	B-II	1 outside space in vicinity of exit.
Inaccessible baggage, mail, and specie rooms, and storerooms .....	.....	None required.
Accessible baggage, mail, and specie rooms, and storerooms	A-II	1 for each 2,500 square feet or fraction thereof located in vicinity of exits, either inside or outside the spaces.
Refrigerated storerooms	A-II	1 for each 2,500 square feet or fraction thereof located in vicinity of exits, outside the spaces.
Carpenter, valet, photographic, printing shops sales rooms, etc.	A-II	1 outside the space in vicinity of exit.
<i>Machinery spaces</i>		
Coal Fired Boilers: Bunker and boilerspace .....	.....	None required.
Oil Fired Boilers: Spaces, containing oil fired boilers, either main or auxiliary, or their fuel oil units.	B-II, B-V	2 required. ³ 1 required. ⁴
Internal combustion or gas turbine propelling machinery spaces.	B-II	1 for each 1,000 B. H. P., but not less than 2 or more than 6.
.....	B-III	1 required. ⁵
Electric propulsive motors or generators of open type.	C-II	1 for each propulsion motor or generator unit.
Enclosed ventilating systems for motors and generators of electric propelling machinery. ....	.....	None required.
Auxiliary spaces, internal combustion or gas turbine.	B-II	1 outside the space in vicinity of exit. ⁶
Auxiliary spaces, electric emergency motors or generators.	C-II	Do.
Auxiliary spaces, steam .....	.....	None required.
Trunks to machinery spaces .....	.....	Do.
Fuel tanks .....	.....	Do.
<i>Cargo spaces</i>		
Inaccessible during voyage, including trunks (excluding tanks). ....	.....	Do.
Accessible during voyage	A-II	1 for each 1,200 square feet or fraction thereof.
Vehicular spaces (covered by sprinkler system)	B-II	1, plus 1 for each 6,000 square feet or fraction thereof.
Vehicular spaces (not covered by sprinkler system)	B-II	1, plus 1 for each 1,500 square feet or fraction thereof. ⁷
Cargo oil tanks .....	.....	None required.

¹ In any case, on vessels of 150 feet in length, and over, there shall be at least 2 A-II units on each passenger deck.² For vessels on an international voyage, substitute 1 C-II in vicinity of exit.³ Vessels of less than 1,000 gross tons and not on an international voyage, require 1.⁴ Vessels of less than 1,000 gross tons and not on an international voyage may substitute 1 B-IV.⁵ If oil burning donkey boiler fitted in space, the B-V previously required for the protection of the boilerroom may be substituted. Not required on vessels of less than 300 gross tons if fuel has flashpoint of 110 °F. or lower except those on an international voyage.⁶ Not required on vessels of less than 300 gross tons if fuel has flashpoint higher than 110 °F.⁷ B-I units may be substituted for 1 B-II unit.

§ 76.50-15

The location of the equipment shall be to the satisfaction of the Officer in Charge, Marine Inspection. Nothing in this paragraph shall be construed as limiting the Officer in Charge, Marine Inspection, from requiring such additional equipment as he deems necessary for the proper protection of the vessel.

(b) Semiportable fire extinguishing systems shall be located in the open so as to be readily seen.

(c) If hand portable fire extinguishers are not located in the open or behind glass so that they may be readily seen, they may be placed in enclosures together with the fire hose, provided such enclosures are marked as required by § 78.47-20 of this subchapter.

(d) Hand portable fire extinguishers and their stations shall be numbered in accordance with § 78.47-30 of this subchapter.

(e) Hand portable or semiportable extinguishers, which are required on their nameplates to be protected from freezing, shall not be located where freezing temperatures may be expected.

[CGFR 65-50, 30 FR 10940, Dec. 30, 1965, as amended by CGFR 66-33, 31 FR 15283, Dec. 6, 1966]

§ 76.50-15 Spare charges.

(a) Spare charges shall be carried on all vessels for at least 50 percent of each size and each variety, i.e., foam, soda-acid, carbon dioxide, etc., of hand portable fire extinguisher required by § 76.50-10(a). However, if the unit is of such variety that it cannot be readily recharged by the vessel's personnel, one spare unit of the same classification shall be carried in lieu of spare charges for all such units of the same size and variety.

(b) Spare charges shall be so packaged as to minimize the hazards to personnel while recharging the units. Acid shall be contained in a Crown stopper type of bottle.

§ 76.50-20 Semiportable fire extinguishers.

(a) The frame or support of each size III, IV, and V fire extinguisher required by table 76.50-10(a) must be welded or otherwise permanently attached to a bulkhead or deck.

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(b) If an approved size III, IV, or V fire extinguisher has wheels and is not required by table 76.50-10(a), it must be securely stowed when not in use to prevent it from rolling out of control under heavy sea conditions.

[CGD 77-039, 44 FR 34132, June 14, 1979]

§ 76.50-90 Vessels contracted for prior to November 19, 1952.

(a) Vessels contracted for prior to November 19, 1952, shall meet the following requirements:

(1) The provisions of §§ 76.50-5 through 76.50-15 shall be met with the exception that existing installations in safety areas, accommodations, service spaces, and cargo spaces may be maintained if in the opinion of the Officer in Charge, Marine Inspection, they are in general agreement with the standard of safety prescribed by table 76.50-10(a). In such cases, minor modifications may be made to the same standards as the original installation, provided that in no case will a greater departure from the standards of table 76.50-10(a) be permitted than presently exists.

(2) [Reserved]

(b) [Reserved]

Subpart 76.60—Fire Axes

§ 76.60-1 Application.

(a) The provisions of this subpart shall apply to all vessels.

(b) [Reserved]

§ 76.60-5 Number required.

(a) All vessels except barges shall carry at least the minimum number of fire axes as set forth in table 76.60-5(a). Nothing in this paragraph shall be construed as limiting the Officer in Charge, Marine Inspection, from requiring such additional fire axes as he deems necessary for the proper protection of the vessel.

TABLE 76.60-5(A)

Gross tons		Number of axes
Over	Not over	
.....	50	1
50	200	2
200	500	4
500	1,000	6
1,000 .....	.....	8